LISTING OF CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A tight-buffered optical fiber, comprising:

an optical fiber;

at least a first buffer layer of a polymer material enclosing said optical

fiber; and

a plurality of strength members embedded in said first buffer layer and longitudinally positioned with respect to said optical fiber.

- 2. (Original) The tight-buffered optical fiber of Claim 1, wherein said first buffer layer is constructed from a material that is converted from a liquid curable composition into a cured polymeric material during fiber manufacture.
- 3. (Original) The tight-buffered optical fiber of Claim 2, wherein said first buffer layer is a radiation curable material.
- 4. (Original) The tight-buffered optical fiber of Claim 2, wherein said first buffer layer is a thermally curable material.
- 5. (Original) The tight-buffered optical fiber of Claim 2, wherein said first buffer layer is an acrylate.
 - (Original) The tight-buffered optical fiber of Claim 1, further comprising:
 a second buffer layer of polymer material enclosing said first buffer layer;

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and

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a plurality of strength members embedded in said second buffer layer and longitudinally positioned with respect to said optical fiber.

- 7. (Original) The tight-buffered optical fiber of Claim 6, wherein said first and second buffer layers are constructed from a material that is converted from a liquid curable composition into a cured polymeric material during fiber manufacture.
- 8. (Original) The tight-buffered optical fiber of Claim 7, wherein said second buffer layer is a radiation curable material.
- 9. (Original) The tight-buffered optical fiber of Claim 7, wherein said second buffer layer is a thermally curable material.
- 10. (Original) The tight-buffered optical fiber of Claim 7, wherein said second buffer layer is an acrylate.
- 11. (Original) The tight-buffered optical fiber of Claim 1, wherein the strength members are yarns selected from the group of aramid, fiberglass, and liquid crystal polymer yarns.
- 12. (Original) The tight-buffered optical fiber of Claim 6, wherein the strength members are yarns selected from the group of aramid, fiberglass, and liquid crystal polymer yarns.
 - 13. (Original) A method of making a tight-buffered optical fiber, comprising: passing an optical fiber through an applicator;



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placing a plurality of strengthening yarns longitudinally around said optical fiber in said applicator;

applying a first buffer layer in liquid form over said optical fiber; and curing said first buffer layer.

14. (Original) The method of Claim 13, wherein said step of applying a first layer includes the substep of:

embedding said plurality of strengthening yarns in said first buffer layer.

15. (Original) The method of Claim 13, further comprising:

locating a second plurality of strengthening yarns longitudinally around said cured first buffer layer;

applying a second buffer layer in liquid form over said first buffer layer; and

curing said second buffer layer.

16. (Original) The method of Claim 15, wherein applying a second buffer layer includes:

embedding said second plurality of strengthening yarns in said second buffer layer.

- 17. (Original) The method of Claim 13, wherein said curing comprises irradiating said first buffer layer with thermal radiation.
- 18. (Original) The method of Claim 13, wherein said curing comprises irradiating said first buffer layer with ultraviolet radiation.



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- 19. (Original) The method of Claim 13, further comprising extruding a protective layer over said first buffer layer.
- 20. (Original) The method of Claim 15, further comprising extruding a protective layer over said second buffer layer.
 - 21. (Original) An optical fiber cable, comprising:

at least one tight-buffered optical fiber including an optical fiber, at least a first buffer layer of a polymer material enclosing said optical fiber, a plurality of strength members embedded in said first buffer layer and longitudinally positioned around said optical fiber; and

an overall jacket enclosing said at least one tight-buffered optical fiber.

22. (Original) The optical fiber of Claim 21, further comprising means for blocking water propagation between said overall jacket and said at least one tight-buffered optical fiber.

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